

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Agere Systems Inc.Application No./Patent No.: 09/911,139 Filed/Issue Date: July 23, 2001Entitled: DIGITAL PREDISTORTION TECHNIQUE FOR WCDMA WIRELESS COMMUNICATION SYSTEM AND METHOD OF OPERATION THEREOFAgere Systems Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Ruediger Bauder, et al. To: Agere Systems Guardian Corporation

The document was recorded in the United States Patent and Trademark Office at  
Reel 012023, Frame 0765, or for which a copy thereof is attached.

2. From: Agere Systems Guardian Corporation To: Agere Systems Inc.

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

J. Joel Justiss  
Signature  
J. Joel Justiss

January 3, 2007  
Date

972-480-8800  
Telephone Number

Printed or Typed Name

Telephone Number

Attorney for Applicant

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DOCKET



OCT 09 2001 G

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 03, 2001

PTAS

HITT GAINES & BOISBRUN, P.C.  
DAVID H. HITT  
P.O. BOX 832570  
RICHARDSON, TX 75083



\*101799913A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/23/2001

REEL/FRAME: 012023/0765  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
BAUDER, RUEDIGER

DOC DATE: 07/19/2001

ASSIGNOR:  
YAN, QING

DOC DATE: 07/18/2001

ASSIGNOR:  
YIIN, JEFFREY LIHBOR

DOC DATE: 07/18/2001

ASSIGNEE:  
AGERE SYSTEMS GUARDIAN CORPORATION  
9333 S. JOHN YOUNG PARKWAY; ROOM  
301E1211  
ORLANDO, FLORIDA 32819

SERIAL NUMBER: 09911139  
PATENT NUMBER:

FILING DATE: 07/23/2001  
ISSUE DATE:

012023/0765 PAGE 2

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

08-03-2001

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**



101799913

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

BAUDER 1-1-1

JC997 U.S. PTO  
09/911139  
07/23/01

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

☒ New  
☐ Resubmission (Non-Recordation)  
Document ID#   
☐ Correction of PTO Error  
Reel #  Frame #   
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Reel #  Frame #

**Conveyance Type**

☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other   
**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)  
☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☒ Mark if additional names of conveying parties attached  
Execution Date  
Month Day Year  
07 19 2001

Name (line 1) Ruediger Bauder

Name (line 2)

**Second Party**

Execution Date  
Month Day Year  
07 18 2001

Name (line 1) Qing Yan

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Agere Systems Guardian Corporation

Name (line 2) a Corporation of Delaware

Address (line 1) 9333 S. John Young Parkway; Room 301E1211

Address (line 2)

Address (line 3) Orlando

Florida

32819

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**FOR OFFICE USE ONLY**

08/02/2001 GTDN11 00000295 501735 09911139  
01 FC:581 40.00 CH

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Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**Correspondent Name and Address**

Area Code and Telephone Number (972) 480-8800

Name David H. Hitt

Address (line 1) Hitt Gaines & Boisbrun, P.C.

Address (line 2) P.O. Box 832570

Address (line 3) Richardson, Texas 75083

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 7

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

N/A

**Patent Number(s)**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
07 19 2001

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:  
Deposit Account

Enclosed ☐

Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 501735

Authorization to charge additional fees:

Yes

☒

No

☐

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

David H. Hitt

Name of Person Signing

Signature

07/23/2001

Date

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CONTINUATION  
PATENTS ONLY

Page 3

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day Year

07 18 2001

Name (line 1) Jeffrey Lihbor Yiin

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)



ASSIGNMENT

For value received, we, Ruediger Bauder, a citizen of Germany and resident of Germany, and Qing Yan, a citizen of P.R. China and resident of Allentown in the County of Lehigh and the State of Pennsylvania, and Jeffrey Lihbor Yiin, of Bethlehem in the County of Northampton and the State of Pennsylvania, hereby sell, assign and transfer to Agere Systems Guardian Corporation, a corporation of the State of Delaware, having an office at 9333 S. John Young Parkway; Room 301E1211, Orlando, Florida 32819, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to "DIGITAL PREDISTORTION TECHNIQUE FOR WCDMA WIRELESS COMMUNICATION SYSTEM AND METHOD OF OPERATION THEREOF" described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Agere Systems Guardian Corporation the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Agere Systems Guardian Corporation to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Guardian Corporation to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Agere Systems Guardian Corporation in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Guardian Corporation may designate.

We agree that, when requested, we shall, without charge to Agere Systems Guardian Corporation but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.



Ruediger Bauder

COUNTRY OF Germany

§  
§  
§

On this JULY day of 19<sup>th</sup>, 2001, before me personally came Ruediger Bauder, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.



WITNESS



Yan 7/18/2001  
Qing Yan

STATE OF Pennsylvania  
COUNTY OF Lehigh

§  
§  
§

On this 18<sup>th</sup> day of July, 2001, before me personally came Qing Yan, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Janet M. Garger  
Notary Public

My Commission Expires:

12/28/04

Notarial Seal  
Janet M. Garger, Notary Public  
Allentown, Lehigh County  
My Commission Expires Dec. 28, 2004  
Member, Pennsylvania Association of Notaries

Jeffrey Lihbor Yiin

Jeffrey Lihbor Yiin

7/18/2001

STATE OF Pennsylvania  
COUNTY OF Lehigh

§  
§  
§

On this 18<sup>th</sup> day of July, 2001, before me personally came Jeffrey Lihbor Yiin, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Janet M. Garger  
Notary Public

My Commission Expires:

12/28/04

Notarial Seal  
Janet M. Garger, Notary Public  
Allentown, Lehigh County  
My Commission Expires Dec. 28, 2004

Member, Pennsylvania Association of Notaries

Agere Systems Guardian Corporation  
9333 S. John Young Parkway; Room 301E1211  
Orlando, Florida 32819

# Delaware

PAGE 1

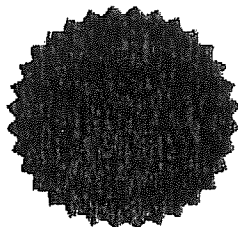
*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION,  
WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

3268412 8100M

AUTHENTICATION: 1959517

020545223

DATE: 08-29-02

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**Agere Systems Guardian Corp.  
(a Delaware corporation)**

**INTO**

**Agere Systems Inc.  
(a Delaware corporation)**

**UNDER SECTION 253 OF THE GENERAL  
CORPORATION LAW OF THE STATE OF DELAWARE**

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), DOES HEREBY CERTIFY:

**FIRST:** The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

**SECOND:** On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

**RESOLVED** that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

**THIRD:** That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

**AGERE SYSTEMS INC.**

By



Paul Bento, Vice President

**GENERAL APPOINTMENT OF AGENT**

**AND**

**POWER OF ATTORNEY**

Agere Systems Inc., for itself and its subsidiaries, and as successor in interest to patents of Agere Systems Inc., hereby appoints:

Ian M. Hughes, Reg. No. 41,083  
Marie MacNichol, Reg. No. 35941  
David L. Smith, Reg. No. 30,592  
Lloyd Sadler, Reg. No. 40,154  
John P. Veschi, Reg. No. 39,058  
David A. Sasso, Reg. No. 43,084  
Chad Hilyard, Reg. No. 40,647  
Mark C. Terrano, Reg. No. 40,200

as agents and attorneys to act on Agere Systems Inc.'s behalf before any competent National and International Authorities in connection with any and all patents and patent applications filed by Agere Systems Inc., its wholly-owned subsidiaries or its predecessors, or otherwise issued or pending in the name of Agere Systems Inc. or any of its wholly-owned subsidiaries or predecessors, with the power to further appoint agents, and grant powers of attorney in connection therewith.

Agere Systems Inc.

By: \_\_\_\_\_

John P. Veschi

Vice President – Intellectual Property Law

Date: \_\_\_\_\_

July 13, 2006